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(71)Applicant : MITSUI PETROCHEM IND LTD

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(72)Inventor : IMUDA JUNICHI
MATSUMOTO TETSUHIRO

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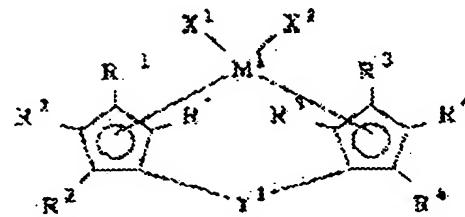
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(54) PRODUCTION OF POLY-1-BUTENE

(57)Abstract:

PURPOSE: To obtain a poly-1-butene having a narrow compositional distribution and a high molecular weight which is polymerized in the presence of a metallocene catalyst containing a group IV transition metal compound with a high catalytic activity.

CONSTITUTION: 1-Butene is polymerized in the presence of a metallocene catalyst containing a group IVB transition metal compound represented by the formula (wherein M1 is a transition metal atom of any of the groups IV to VIB in the periodic table; R1 to R4 are each a 1-20C hydrocarbon group, a 1-20C halohydrocarbon group or the like; X1 and X2 are each a hydrocarbon group, a halohydrocarbon group, a sulfur-containing group, a silicon-containing group, H or halogeno; and Y1 is a bivalent hydrocarbon group, a bivalent halohydrocarbon group, a bivalent silicon-containing group, a bivalent germanium-containing group, a bivalent tin-containing group, -O-, -CO-, -S-, -SO-, -SO2-, -Ge-, -Sn- or the like).



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